

PERFORMANCE DATA

Environment

	2014	2015	2016	2017	2018 [#]
Environmental incidents					
Level 3 environmental Incidents (number)	30	11	8	6	20
Level 4 environmental incidents (number)	4	3	3	1	0
Level 5 environmental incidents (number)	0	0	0	0	0
Total Level 3-5 environmental incidents (number)	34	14	11	7	20
Fines and prosecutions (number)	-	-	-	0	0
Land footprint					
Land disturbed (hectares)	244	166	125	20	888
Land rehabilitated (hectares)	477	502	832	230	806
Greenhouse gas emissions					
Scope 1 and 2 emissions (ktCO ₂ e)	244	436	386	348	509
Energy use and resources used					
Energy use (terajoules)	2,330	4,537	4,415	4,475	7,029
Coal (%)	0.0	45.7	60.2	66.0	45.5
Electricity (%)	24.7	18.0	19.3	11.0	9.0
Natural gas (%)	24.2	14.3	15.7	15.0	9.7
LPG (%)	0.1	0.0	0.0	0.0	0.0
Diesel (%)	50.3	21.4	12.4	7.5	35.4
Petrol (%)	0.5	0.5	0.2	0.1	0.1
Fuel, oil and greases (%)	0.2	0.1	0.0	0.2	0.2
Mineral waste volumes					
Overburden (kilotonnes)	-	5,943	1,387	981	3,698
Rock (kilotonnes)	-	790	298	110	1,839
Tailings, includes mine and processing tailings, as well as clay fines (kilotonnes)	-	12,195	4,228	1,880	12,997

includes Sierra Rutile

	2014	2015	2016	2017	2018
Water resource[^]					
Total water used (megalitres)	7,222	7,935	6,518	5,862	10,784
Total water discharged (megalitres)	4,239	3,526	4,386	1,869	1,876
Total water reused and recycled (megalitres)	-	6,707	129	593	6,018
Surface water withdrawn (megalitres)	258	464	25	16	0.04
Ground water withdrawn (megalitres)	6,036	6,414	5,033	4,404	9,548
Rainwater collected directly and stored (megalitres)	483	409	905	1,032	688
Municipal water supplies or other water utilities (megalitres)	598	647	555	410	549

[^] Water resource values exclude Sierra Rutile

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2018 mineral waste disposal locations*					
	Eucla Basin	South West	Mid West	Sierra Rutile	Total
MINING					
Overburden					
Volume (tonnes)	3,697,657	-	-	-	3,697,657
Disposal location	Returned to mine void	Returned to mine void	-	-	n/a
Rock					
Volume (tonnes)	802,922	9,036	-	1,027,092	1,839,050
Disposal location	Returned to mine void	Returned to mine void	-	Off path stockpiles and return to mine void	n/a
Clay fines, sand tails, co-disposal material (sand and clay)					
Volume (tonnes)	7,004,534	184,628	-	5,692,090	12,887,252
Disposal location	Co-disposal in TSF cells within mine void	Off-path TSF for drying (clay fines) and then return to mine void	-	Co-disposal within mine void	n/a
PROCESSING					
Mineral separation plant tailings					
Volume (tonnes)	-	4,340	49,077	43,954	97,371
Disposal location	-	Returned to mine void	TSF	TSF and then return to mine void	n/a
Synthetic rutile plant tailings					
Volume (tonnes)	-	18,974	-	-	18,974
Disposal location	-	Returned to mine void	-	-	n/a

* No mining and subsequently mineral waste disposal occurred in the Murray Basin or United States region for the 2018 period